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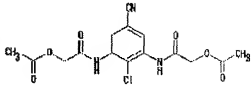
(54) EXTERNAL PREPARATION

(57)Abstract:
PURPOSE: To obtain the subject external preparation effective against atopic dermatitis, having no skin irritation, excellent in stability and good in percutaneous absorptivity by blending a benzonitrile expressed by a specific formula and a surfactant therein.
CONSTITUTION: This external preparation is constituted by blending (A) 0.05-10.0wt. % 3, 5-bis (acetoxyacetylamino)-4-chlorobenzonitrile expressed by the formula, and (B) a surfactant as a dissolving adjuvant for the ingredient (A) therein. Further, it is preferred that the ingredient (B) is one or more surfactants selected from any one of nonionic surfactants such as a polyoxyethylene fatty alcohol ether, a polyoxyethylene fatty acid ester and a sorbitan fatty acid ester, any one of anionic surfactants such as an alkyl sulfuric acid (salt) and a polyoxyethylene alkyl ether sulfuric acid (salt), and either of cationic surfactants such as benzalkonium chloride and benzethonium chloride.



JP 7-285861 (Examples 4-10)

【0052】

Example 4

Compound (I)	0.3 wt%
Polyoxyethylene(25)lauryl ether	2.0
Propylenglycol	6.0
Polyoxyethylene(25)stearyl ether	3.0
Sorbitan monostearate	3.0
Cetyl alcohol	5.0
Squalene	3.0
Cetyl palmitate	6.0
Polyethylenglycol 400	3.0
Stearic acid	4.0
Purified water	59.9
Carboxyvinyl polymer	0.8

【0053】

Example 5

Compound (I)	0.3 wt%
Polyoxyethylene(25)lauryl ether	2.0
Propylenglycol	6.0
Polyoxyethylene(4)stearyl ether	3.0
Sorbitan monostearate	3.0
Stearyl alcohol	4.0
Squalene	3.0
white beewax	5.0
Polyethylene glycol 400	2.0
Stearic acid	3.0
Solid Wax	2.0
Propyl parahydroxybenzoate	0.1
Methyl parahydroxybenzoate	0.1
Olieve oil	6.0
Purified water	60.0
Carboxyvinyl polymer	0.5

【0054】

Example 6

Compound (I)	0.3 wt%
N,N-Dimethylacetamide	1.0
Polyoxyethylene(25)lauryl ether	2.0
Propylenglycol	6.0
Polyethylene glycol 400	2.0
Isopropyl miristate	2.0
Polyoxyethylene(4)stearyl ether	3.0
Sorbitan monostearate	3.0
Stearyl alcohol	3.0
Squalene	3.0
white beewax	5.0
Solid wax	2.0
Cetyl palmitate	4.0
Stearic acid	2.0
Diethyl sebacate	1.0
Propyl parahydroxybenzoate	0.1
Purified water	60.0
Methyl parahydroxybenzoate	0.1
Carboxyvinyl polymer	0.5

【0055】

Example 7

Compound (I)	0.3 wt%
Polyoxyethylene(25)lauryl ether	3.0
Propylenglycol	7.0
Polyoxyethylene(4)stearyl ether	3.0
Polyoxyethylene(9)lauryl ether	1.0
Polyethylene glycol 400	2.0
Sorbitan monostearate	3.0
Stearyl alcohol	3.0
Stearic acid	2.0
Squalene	2.0
white beewax	7.0
Solid wax	2.0
Octyl oleate	2.0
Propyl parahydroxybenzoate	0.1
Purified water	59.0
Methyl parahydroxybenzoate	0.1
Carboxyvinylpolymer	0.5

【0056】

Example 8

Compound (I)	0.3	wt%
Sodium lauryl sulfate	1.5	
Polyoxyethylene(23)lauryl ether	2.0	
Polyethylene glycol 400	3.0	
Propylenglycol	6.0	
Polyoxyethylene(20)Sorbitan trioleate	2.0	
Polyoxyethylene(2)cetyl ether	3.0	
Sorbitan monostearate	4.5	
Stearyl alcohol	4.0	
Squalene	2.0	
Isopropyl miristate	3.0	
Diethyl sebacate	1.5	
Cetyl palmitate	6.0	
Stearic acid	3.0	
white beewax	5.0	
Octyl oleate	1.0	
Propyl parahydroxybenzoate	0.1	
Oxybenzone	0.5	
Purified water	51.0	
Methyl parahydroxybenzoate	0.1	
Carboxyvinyl polymer	0.5	

【0057】

Example 9

Compound (I)	0.3	wt%
Sodium lauryl sulfate	1.5	
Polyoxyethylene(23)lauryl ether	2.0	
Polyethylene glycol 400	4.0	
Propylenglycol	6.0	
Polyoxyethylene(20)Sorbitan trioleate	2.0	
Polyoxyethylene(2)cetyl ether	3.0	
Sorbitan monostearate	4.5	
Stearyl alcohol	2.0	
Squalene	3.0	
Isopropyl miristate	3.0	
Diethyl sebacate	1.5	
Cetyl palmitate	6.0	
Stearic acid	6.0	
white beewax	5.0	
Octyl oleate	1.0	
Propyl parahydroxybenzoate	0.1	
Oxybenzone	0.5	
Purified water	48.0	
Methyl parahydroxybenzoate	0.1	
Carboxyvinyl polymer	0.5	

【0058】

Example 10

Compound (I)	0.3 wt%
Sodium lauryl sulfate	1.5
Polyoxyethylene(23)lauryl ether	2.0
Polyethylene glycol 400	5.0
Propylenglycol	6.0
Polyoxyethylene(20)Sorbitan trioleate	2.0
Polyoxyethylene(2)cetyl ether	3.0
Sorbitan monostearate	4.5
Stearyl alcohol	3.0
Squalene	3.0
Isopropyl miristate	3.0
Diethyl cebacate	1.5
Cetyl palmitate	6.0
Stearic acid	6.0
white beewax	5.0
Octyl oleate	1.0
Propyl parahydroxybenzoate	0.1
Oxybenzone	0.5
Purified water	46.0
Methyl parahydroxybenzoate	0.1
Carboxyvinyl polymer	0.5